

PT. INCO located in Sorowako, Nuha Subdistrict, East Luwu, South Sulawesi Province. Distance from Capital District (Malili) about 50 km, while the Provincial Capital

(Makassar) about 720 km, can be traveled by road and air.

The amount of the fill factor of the Backhoe bucket Komatsu PC 800 is 90%. The cycle time of the load utility (backhoe) is 0.495 minutes. As for the cycle time of the dump utility (dump truck) is 96.06 minutes. Loading pattern used Single Bottom and Loading Back Up. Based on observations on the field, haul road from the mine to the screening front station is two lanes haul road, straight haul road has 22 meters width, and haul road on the bend is 26 meters width.

Availability Dump Truck Mine Plan with Physical Availability (PA) = 83% and 87% Use of Availability (UoA) . while actual availability Dump based on field observation is Caterpillar 777C Dump Truck (4101) with PA = 90% and 76% UoA, Caterpillar 777D Dump Truck (4201) with PA = 90% and 83% UoA, Komatsu Dump Truck 785 (4250) with PA = 79% and 80% UoA, Komatsu Dump Truck 985 (4301) with PA = 88% and 78% UoA.

Availability Backhoe Mine Plan with PA = 83% and 87% UoA. while the actual Availability Backhoe for Backhoe Komatsu PC-800 (9343) with PA = 58% and 63% UoA, Backhoe Hitachi X1200 (9381) with PA = 78% and 78% UoA, Backhoe Hitachi ZX-870 (9364) with PA = 79% and 68% UoA.

Availability Shovel Mine Plan with PA = 83% and 87% UoA. while the actual field for Availability Shovel for Shovel Hitachi X-1900 (9376) PA = 68% and 56% UoA.

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